



Interagency Agreement
Shared Service Center **IASSC**
Customer Centered, Service Oriented

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Interagency Agreement Shared Service Center

| EAST | WEST |
|--------------------------------|------------------------------|
| Ariel Rios Building | Park Place Building |
| 1200 Pennsylvania Avenue, N.W. | 1200 Sixth Avenue, Suite 900 |
| Mail Code: 3903R | Mail Stop: OMP-145 |
| Washington, D.C. 20460 | Seattle, WA 98101 |

SEP 05 2016

EPA Reference: DW-14-92407801-0

Dear Interagency Agreement (IA) Recipient:

Attached is an electronically signed pdf of a new or amended IA between EPA and your Federal Agency. **Please note a signature is needed from your authorizing official in box 41 of the EPA 1610 form for this IA to be obligated and legally binding.**

If you wish to accept the agreement, please have your authorizing official sign box 41 of the EPA 1610-1 form and return to us, a signed copy within 3 weeks of this date.

Please return the signed IA using one of the following methods:

- Pdf scan to IA specialist hairston.lakeyshia@epa.gov
- Fax to 202-565-2470 (Attn: Lakeyshia Hairston)
- Mail to: Lakeyshia Hairston (Mailcode 3903R), US EPA, 1200 Pennsylvania Avenue NW, Washington DC 20460

If you have questions, please contact the EPA Project Officer listed in box 14 or the IA Specialist listed in box 6 of the attached EPA 1610 form.

Sincerely,
Frank Roth, Chief
IASSC EAST
FISB/GIAMD

Enclosure

Cc: Robin Coursen, (Region 8)

|  <p>Interagency Agreement/ Amendment</p> <p>Part 1 - General Information</p> | | 1. EPA IA Identification Number DW-14-92407801 - 0 | 2. Funding Location by Region EPA R8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|---|---------------|------------------|--------------|---------------|--------------------------------|--------------|--------------|--------------|-------------------------------|--------------|------------|------------|-------|----|-------|--------|-------|-----------------|--------------------|--------------|----------------|--|----------|----------|------------------------|--|--|-----|-------------------------|--------|-----|-----|---------------------------------|--|--|-----|------------------------|--|----------|----------|
| | | 3. Other Agency IA ID Number (if known) ALC-14-08-001 | 4. Awarding Office IASSC East | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5. Type of Action New | 6. IA Specialist: Lakeyshia Hairston 202-564-5322 Hairston.Lakeyshia@epa.gov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 7. Name and Address of EPA Organization US Environmental Protection Agency IASSC East 1200 Pennsylvania Avenue, NW Mail code 3903R Washington, DC 20460 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. DUNS: 029128894 | 10. BETC: DISB | 11. DUNS: 176138964 | 12. BETC: COLL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>13. Project Title and Description Upper Animas Mini Sippers-sampling for pre-RI-FS work</p> <p>Upper Animas investigation ecotox sampling and technical assistance</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>14. EPA Project Officer (Name, Address, Telephone Number) Robin Coursen 1595 Wynkoop Street (8EPR-S) Denver, CO 80202-1129 303-312-6695 E-Mail: Coursen.Robin@epamail.epa.gov FAX: 303-312-7151</p> | | <p>15. Other Agency Project Officer (Name, Address, Telephone) Suzanne Pashke PO Box 25046 Denver, CO 80225 303-236-6904 E-Mail: spaschke@usgs.gov FAX: 303-236-4612</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16. Project Period: 09/15/2014 to 12/31/2015 | | 17. Budget Period: 09/15/2014 to 12/31/2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>18. Scope of Work (See Attachment) See attached scope of work.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19. Employer/Tax ID No. 520852695 | 20. CAGE No: 347A4 | 21. ALC: 68-01-0727 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22. Statutory Authority for Transfer of Funds and Interagency Agreement CERCLA: Secs. 105(a)(4) & 115 and Executive Order 12580 | | | 23. Other Agency Type Federal Agency | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>24. Revise Reimbursable Funds and Direct Fund Cites (only complete if applicable)</p> <table border="1"> <thead> <tr> <th></th> <th>Previous Funding</th> <th>This Action</th> <th>Amended Total</th> </tr> </thead> <tbody> <tr> <td>Revise Reimbursable (in-house)</td> <td></td> <td>0</td> <td>0</td> </tr> <tr> <td>Direct Fund Cite (contractor)</td> <td></td> <td>0</td> <td>0</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Funds</th> <th>Previous Amount</th> <th>Amount This Action</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td>25. EPA Amount</td> <td></td> <td>\$50,000</td> <td>\$50,000</td> </tr> <tr> <td>26. EPA In-Kind Amount</td> <td></td> <td></td> <td>\$0</td> </tr> <tr> <td>27. Other Agency Amount</td> <td></td> <td>\$0</td> <td>\$0</td> </tr> <tr> <td>28. Other Agency In-Kind Amount</td> <td></td> <td></td> <td>\$0</td> </tr> <tr> <td>29. Total Project Cost</td> <td></td> <td>\$50,000</td> <td>\$50,000</td> </tr> </tbody> </table> | | | | | Previous Funding | This Action | Amended Total | Revise Reimbursable (in-house) | | 0 | 0 | Direct Fund Cite (contractor) | | 0 | 0 | Total | | | 0 | Funds | Previous Amount | Amount This Action | Total Amount | 25. EPA Amount | | \$50,000 | \$50,000 | 26. EPA In-Kind Amount | | | \$0 | 27. Other Agency Amount | | \$0 | \$0 | 28. Other Agency In-Kind Amount | | | \$0 | 29. Total Project Cost | | \$50,000 | \$50,000 |
| | Previous Funding | This Action | Amended Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Revise Reimbursable (in-house) | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Direct Fund Cite (contractor) | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Funds | Previous Amount | Amount This Action | Total Amount | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25. EPA Amount | | \$50,000 | \$50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26. EPA In-Kind Amount | | | \$0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27. Other Agency Amount | | \$0 | \$0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28. Other Agency In-Kind Amount | | | \$0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29. Total Project Cost | | \$50,000 | \$50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>30. Fiscal Information</p> <table border="1"> <thead> <tr> <th>Treas. Symbol</th> <th>DCN</th> <th>FY</th> <th>Appropriation</th> <th>Budget Org</th> <th>PRC</th> <th>Object Class</th> <th>Site/Project</th> <th>Cost Org</th> <th>Ob/De-Ob Amt</th> </tr> </thead> <tbody> <tr> <td>68-68X8145</td> <td>148ALPV072</td> <td>13</td> <td>TD</td> <td>8AL0P</td> <td>303DD2</td> <td>2506</td> <td>085MTA00</td> <td>C001</td> <td>50,000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>50,000</td> </tr> </tbody> </table> | | | | Treas. Symbol | DCN | FY | Appropriation | Budget Org | PRC | Object Class | Site/Project | Cost Org | Ob/De-Ob Amt | 68-68X8145 | 148ALPV072 | 13 | TD | 8AL0P | 303DD2 | 2506 | 085MTA00 | C001 | 50,000 | | | | | | | | | | 50,000 | | | | | | | | | | |
| Treas. Symbol | DCN | FY | Appropriation | Budget Org | PRC | Object Class | Site/Project | Cost Org | Ob/De-Ob Amt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68-68X8145 | 148ALPV072 | 13 | TD | 8AL0P | 303DD2 | 2506 | 085MTA00 | C001 | 50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 50,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Part II - Approved Budget | | | | EPA IAG Identification Number DW-14-92407801 - 0 |
|--|--|---|---|---|
| 31. Budget Categories | Itemization of All Previous Actions | Itemization of This Action | In-Kind Itemization of This Action | Itemization of Total Project Cost to Date |
| (a) Personnel | | \$19,020 | | \$19,020 |
| (b) Fringe Benefits | | \$6,140 | | \$6,140 |
| (c) Travel | | \$750 | | \$750 |
| (d) Equipment | | | | \$0 |
| (e) Supplies | | \$100 | | \$100 |
| (f) Procurement / Assistance | | | | \$0 |
| (g) Construction | | | | \$0 |
| (h) Other | | | | \$0 |
| (i) Total Direct Charges | \$0 | \$26,010 | \$0 | \$26,010 |
| (j) Indirect Costs: | \$0 | \$23,990 | | \$23,990 |
| Charged - Amount | | | | |
| Rate: % | | | | |
| Base: \$ | | | | |
| Not Charged: | | | | |
| Funds-Out: Not charged by Other Agency | | | | |
| Estimate by other Agency | | | | |
| Amount \$ | | | | |
| (k) Total (EPA Share %) (Other Agency Share %) | \$0 | \$50,000 | \$0 | \$50,000 |
| 32. How was the IDC Base calculated? .94% x personnel + fringe benefits | | | | |
| 33. Is equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Identify all equipment costing \$1,000 or more) | | | | |
| 34. Are any of these funds being used on Procure/Assistance agreements? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| Type of Procure/Assistance Agreement | | | | |
| Contractor/Recipient Name (if known) | Total Procure/Assistance Amount Under This Project | | | Percent Funded by EPA (if known) |
| | | | | Total \$ 0.00 |
| Part III - Funding Methods and Billing Instructions | | | | |
| 35. | (Note: EPA Agency Location Code (ALC) - 68010727) | | | |
| <input checked="" type="checkbox"/> Disbursement Agreement | Request for repayment of actual costs must be itemized on SF 1080 and submitted to the Financial Management Office, Cincinnati, OH 45268-7002. | | | |
| <input checked="" type="checkbox"/> Repayment | <input type="checkbox"/> Monthly | <input checked="" type="checkbox"/> Quarterly | <input type="checkbox"/> Upon Completion of Work | |
| <input type="checkbox"/> Advance | Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268-7002. | | | |
| <input type="checkbox"/> Allocation Transfer-Out | Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hdqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460. | | | |
| 36. <input type="checkbox"/> Reimbursement Agreement | <input type="checkbox"/> Repayment | <input type="checkbox"/> Advance | | |
| <input type="checkbox"/> Allocation Transfer-In | | | | |
| Other Agency's Billing Address (include ALC or Station Symbol Number) | | | Other Agency's Billing Instructions and Frequency | |

| | | |
|---|--|---|
| Part IV - Acceptance Conditions | | EPA Identification Number DW-14-92407801 - 0 |
| 37. Terms and Conditions, when included, are located at the end of the 1610-1, or as an attachment. | | |
| Part V - Offer and Acceptance | | |
| <p>Note: A) For Fund-out actions, the agreement/amendment must be signed by the other agency official in duplicate and one original returned to the Grants and IA Management Division for Headquarters agreements or to the appropriate EPA Regional IA administration office within 3 calendar weeks after receipt or within any extension of time that may be granted by EPA. The agreement/amendment must be forwarded to the address cited in item 29 after acceptance signature.</p> <p>Failure to return the properly executed document within the prescribed time may result in the withdrawal of offer by EPA. Any change to the agreement/amendment by the other agency after the document is signed by the EPA Award Official, which the Award Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.</p> <p>B) For Funds-In actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IA administration office for signature on behalf of the EPA. EPA will return one original copy after acceptance returned to the other agency after acceptance.</p> | | |
| EPA IA Administration Office (for administrative assistance) | | EPA Program Office (for technical assistance) |
| 38. Organization/Address U.S. Environmental Protection Agency IASSC East 1200 Pennsylvania Avenue, NW Mail code 3903R Washington, DC 20460 | | 39. Organization/Address US Environmental Protection Agency R8 - Region 8 1595 Wynkoop Street Denver, CO 80202-1129 |
| Award Official on Behalf of the Environment Protection Agency | | |
| 40. Digital signature applied by EPA Award Official FOR Frank N. Roth - Chief Fellowship IA & SEE Branch Michelle Messick - AO delegate | | Date 09/05/2014 |
| Authorizing Official on Behalf of the Other Agency | | |
| 41. Signature | Typed Name and Title James Kircher, Center Director | Date |

EPA Form 1610-1 (Rev. 11-09) Previous editions are obsolete.

Administrative Conditions

1. Resolution of Disagreements

Should disagreements arise on the interpretation of the provisions of this agreement or amendments and/or revisions thereto, that cannot be resolved at the operating level, the area(s) of disagreement shall be stated in writing by each party and presented to the other party for consideration. If agreement or interpretation is not reached within 30 days, the parties shall forward the written presentation of the disagreement to respective higher officials for appropriate resolution.

If a dispute related to funding remains unresolved for more than 30 calendar days after the parties have engaged in an escalation of the dispute, disputes will be resolved in accordance with instructions provided in the Treasury Financial Manual (TFM) Volume I, Part 2, Chapter 4700, Appendix 10, available at <http://www.fms.treas.gov/tfm/index.html>.

2. Cost Collection Upon Cancellation

If the Environmental Protection Agency cancels the order, the IA recipient is authorized to collect costs incurred prior to cancellation of the order plus termination costs, up to the total payment amount provided for under the agreement.

3. Indirect Costs and Audit Findings

The parties to this agreement certify that (1) any indirect costs included in billings to EPA represent, in accordance with generally accepted accounting principles, indirect costs that would not have been otherwise incurred by the performing agency, or (2) statutory authority exists for charging other than the incremental costs of performance. If an audit determines that any direct or indirect costs charged to EPA are unallowable, EPA will be notified immediately following the resolution of the audit and EPA will be credited those amounts.

4. Billing/Payment

When submitting invoices to the Office of the Chief Financial Officer/Cincinnati Finance Center (OCFO/CFC) requesting payment, a breakdown of the costs associated with the invoice must be provided to the EPA Project Officer (EPA PO). This information allows the EPA PO to determine that costs billed to EPA are necessary and reasonable. If this information is not provided, the EPA PO will notify the OCFO/CFC to suspend or charge back the payment.

Programmatic Conditions

1. Sufficient Progress

EPA expressly reserves the right to terminate this IA for failure to make sufficient progress so as to reasonably ensure completion of the project within the project period, including any extensions. EPA will measure sufficient progress by examining the performance required under the Statement of Work, the time remaining for performance, and/or the availability of funds necessary to complete performance. In exercising the right to terminate, EPA will follow the procedures for terminating the IA in the Terms and Conditions.

2. Quality Assurance Data Generated or Collected in Accordance with Approved QA Procedures

This IA will provide mission supported products, services, information, or data generation including technology development and verification. Any or all of these activities will be performed in accordance with approved Quality Assurance procedures or standards with adequate documentation for transparency.

purposes. The EPA Quality Assurance Officer must approve the Quality Assurance procedures or standards in writing before these activities are undertaken. The Quality Assurance procedures or standards must be submitted no later than 30 days after the acceptance of this agreement, or another date as negotiated with the EPA Project Officer.

3. Quarterly Progress Reports

The recipient shall submit progress reports, beginning with the start date, every three (3) months during the life of this agreement. Reports shall be submitted to the EPA Project Officer and may be provided electronically. The reports must contain enough information as to ascertain that the Scope of Work (SOW) is being carried out as specified in the Interagency Agreement, including determining that all mission support products, services, information or data generation and use including technology development and verification is performed in accordance with EPA policies and the IA agreement. The reports are due 30 days after the end of each 3-month period.

PROPOSAL FOR FY-2015 MINISIPPER AND STIL WORK IN THE ANIMAS RIVER WATERSHED, SAN JUAN COUNTY, COLORADO

Prepared by Thomas Chapin, USGS, Central Region, Denver, CO

OBJECTIVE

The U.S. Environmental Protection Agency (USEPA) has requested that the U.S. Geological Survey (USGS) prepare a proposal for high-resolution water sampling work in the Animas River basin to be performed in 2015. This work includes high-resolution automated water sampling using the MiniSipper device and high-resolution relative conductivity monitoring using the newly developed STIL loggers. The objective of the high-resolution water sampling is to obtain a better understanding of how water chemistry and toxicity varies throughout the spring runoff (and perhaps during summer rainstorms). The 2015 MiniSipper water chemistry data will be compared to 2013 and 2014 metal data and will help quantify metal loading during winter conditions.

DESCRIPTION OF WORK

Activities performed under this proposal will be performed in accordance a Quality Assurance Project Plan approved by EPA on (4/9/2014). This approved document(s) should be used for all covered activities until superseded.

Construction of MiniSippers and STILs: EPA has requested 7 MiniSipper deployments in the Animas River Basin. The USGS currently has 4 complete MiniSippers available and most of the parts (underwater housings, electronics, sample coils, reagent bags) for 3 more MiniSippers. Pumps and miscellaneous parts for 3 more MiniSippers will need to be procured asap.

Field Work: MiniSippers will be deployed at 7 sites selected by EPA. Instruments will be deployed in late Fall and recovered in early spring to provide high-resolution sampling of winter conditions.

MiniSippers and STILs will be recovered in early spring 2015 and transferred back to USGS labs in Denver for sample processing. Water samples will be offloaded from the MiniSipper sample coils and transferred to sample vials for EPA analysis. STIL data will be downloaded, processed, and transferred to EPA.

REPORT PREPARATION

Thomas Chapin (USGS) will participate in MiniSipper and STIL data interpretation of EPA results. He would like to be included as a co-author on any reports or research papers generated from the results of the MiniSipper or STIL deployments in the Animas Basin.

BUDGET JUSTIFICATION

Deploying and recovering seven MiniSippers and STILs will require a lot of time for instrument construction, pre-deployment lab preparation, deployment and recovery, and post-deployment sample processing. Parts to complete 3 MiniSippers will need to be ordered asap. Field work will likely require a 3-day trip for both deployment and recovery.

EPA cost estimate:

Upper Animas

Peronnel: 275 hours at approx.. \$69/hr .=\$ 18,975plus fringe, plus travel plus indirects.

USGS FY15 Budget for Upper Animas Technical Assistance to USEPA

| | |
|--------------------|-----------|
| Personnel | \$ 19,020 |
| Fringe Benefits | \$ 6,140 |
| Travel | \$ 750 |
| Equipment | \$ - |
| Supplies | \$ 100 |
| Procure/Assistance | \$ - |
| Construction | \$ - |
| Other | \$ - |
| Total Direct | \$ 26,010 |
| Indirect Costs | \$ 23,990 |
| Total | \$ 50,000 |